



Memo

Date: April 28, 2017

To: Paul Zschack, Photon Science Division Director

From: Steve Hulbert, NEXT Project Manager

Subject: Acceptance of SMI Beamline by NSLS-II Facility Operations

Construction of the SMI beamline at 12-ID, one of five insertion device beamlines delivered by the NEXT Project, is complete and light has been delivered to its endstation. The milestones achieved during the transition from construction to operation for this beamline are provided below. Successful achievement of these milestones is evidence that the SMI beamline is ready for operational status in the NSLS-II Facility:

- SMI Photon Delivery System complete and SMI IRR complete (3-Nov-2016)
- Authorization from the NSLS-II Director to Start SMI Commissioning (7-Nov-2016)
- SMI First Light (7-Nov-2016)
- SMI Flux verified (3-Dec-2016)
- SMI Endstation construction complete (21-Apr-2017)

The endstation for SMI features a sample chamber tailored to soft matter systems, with integrated goniometers and pixel array detectors (PADs) for wide-angle X-ray scattering (WAXS) and grazing incidence WAXS (GIWAXS), followed by an 8m-long chamber and PAD for small-angle X-ray scattering (SAXS) and grazing-incidence SAXS (GISAXS).

SMI beamline scope was verified at the NEXT Scope Verification Review held 27-28 February 2017 and completion has been documented via WBS Closeout Acknowledgments.

The purpose of this memo is to report this status and request your acknowledgment that the NSLS-II Facility has accepted the SMI photon delivery system and endstation into its operating portfolio.


Steve Hulbert, NEXT Project Manager

28 April 2017
Date

Cc: E. Johnson, J. Hill